

# PATENT COOPERATION TREATY

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**FEB - 1 2001**

SCIENTIFIC-ATLANTA, INC.  
LEGAL DEPARTMENT

PCT

From the INTERNATIONAL SEARCHING AUTHORITY

To:  
SCIENTIFIC-ATLANTA, INC.  
Attn. BARNHARDT III, Hubert J  
Intellectual Property Department  
One Technology Parkway South  
Norcross, GA 30092  
UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

Applicant's or agent's file reference <b>F-5704-PC</b>	Date of mailing (day/month/year) <b>16/01/2001</b>
International application No. <b>PCT/US 00/15952</b>	International filing date (day/month/year) <b>09/06/2000</b>
Applicant  <b>SCIENTIFIC-ATLANTA, INC. / HUBERT J. BARNHARDT III</b>	

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

**Filing of amendments and statement under Article 19:**  
 The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

**Where?** Directly to the International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland  
 Facsimile No.: (41-22) 740.14.35

**For more detailed instructions,** see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90*bis*.1 and 90*bis*.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <b>Shantisaroop Pherai</b>
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# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>F-5704-PC</b>	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/US 00/ 15952</b>	International filing date (day/month/year) <b>09/06/2000</b>	(Earliest) Priority Date (day/month/year) <b>11/06/1999</b>
Applicant  <b>SCIENTIFIC-ATLANTA, INC. / HUBERT J. BARNHARDT III</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

**4. With regard to the title,**

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- ☒ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

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☐ None of the figures.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/15952

## A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04N7/173

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 745 837 A (FUHRMANN AMIR MICHAEL) 28 April 1998 (1998-04-28)  column 1, line 19 - line 39 column 3, line 14 -column 4, line 14 column 42, line 50 -column 46, line 30 figures 28,34-38  ---	1,6,7, 12,14, 15,19, 20,25,26
X	US 5 751 282 A (MATTHEWS III JOSEPH H ET AL) 12 May 1998 (1998-05-12)  column 2, line 66 -column 7, line 65 figures 1-4  ---  -/--	1-4, 6-10, 12-17, 19-23



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

10 January 2001

Date of mailing of the international search report

16/01/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Van der Zaal, R

# INTERNATIONAL SEARCH REPORT

Int. Patent Application No.

PCT/US 00/15952

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 96 41477 A (TV GUIDE ON SCREEN) 19 December 1996 (1996-12-19)</p> <p>page 44, line 31 -page 52, line 20 -----</p>	<p>2-4, 8-10, 13, 15-17, 21-23</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. No. Application No

PCT/US 00/15952

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5745837	A	28-04-1998	US 5793759 A	11-08-1998
			US 5768269 A	16-06-1998
			AU 2210597 A	01-10-1997
			WO 9734421 A	18-09-1997
			US 5991308 A	23-11-1999
			AU 711984 B	28-10-1999
			AU 6714896 A	19-03-1997
			BR 9610132 A	21-12-1999
			CA 2230294 A	06-03-1997
			EP 0858695 A	19-08-1998
			WO 9708861 A	06-03-1997
			US 6154456 A	28-11-2000
			US 5966376 A	12-10-1999
US 5751282	A	12-05-1998	NONE	
WO 9641477	A	19-12-1996	US 5585866 A	17-12-1996
			AU 705839 B	03-06-1999
			AU 6092996 A	30-12-1996
			BR 9608903 A	21-09-1999
			CA 2223018 A	19-12-1996
			EP 0830787 A	25-03-1998
			PL 323830 A	27-04-1998